

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	1	"20060048710"	US-PGPUB; USPAT	OR	OFF	2010/03/12 10:21
S2	54	(US-200201134511-\$ or US-20010054390-\$ or US-20010054387-\$ or US-20020011216-\$ or US-20020137334-\$ or US-20060048710-\$ or US-20020092602-\$).did. or (US-6740196-\$ or US-6600138-\$ or US-6444940-\$ or US-6080965-\$ or US-6072162-\$ or US-6035100-\$ or US-5868850-\$ or US-5862302-\$ or US-6198074-\$ or US-4920918-\$ or US-6301434-\$ or US-5651827-\$ or US-6399922-\$ or US-5884009-\$ or US-6402848-\$ or US-4977855-\$ or US-6036482-\$ or US-6264788-\$ or US-6902623-\$ or US-6001175-\$ or US-6869485-\$ or US-6113984-\$ or US-5653808-\$ or US-6143079-\$ or US-6063196-\$ or US-3623712-\$).did. or (US-5063031-\$ or US-5077875-\$ or US-5275629-\$ or US-5855675-\$ or US-5882419-\$ or US-5938850-\$ or US-6656838-\$ or US-6333493-\$ or US-6372048-\$ or US-5164012-\$ or US-5536918-\$ or US-6170433-\$ or US-5820685-\$ or US-5891251-\$ or US-7393417-\$ or US-6492621-\$ or US-5972116-\$ or US-6965092-\$).did. or (JP-03038029-\$).did. or (JP-09153485-\$ or JP-2000133698-\$).did.	US-PGPUB; USPAT; JPO; DERWENT	OR	OFF	2010/03/12 10:44
S3	1	"20020011478"	US-PGPUB; USPAT	OR	OFF	2010/03/12 10:44
S4	2	"6315833".pn.	US-PGPUB; USPAT; JPO; DERWENT	OR	OFF	2010/03/12 10:53

S5	4	("5903711" "5904872").pn.	US-PGPUB; USPAT; JPO; DERWENT	OR	OFF	2010/03/12 11:12
S6	14911	C23C "16"/\$.IPC.	JPO	OR	OFF	2010/03/12 11:21
S7	190147	C23C "16"/\$.IPC.	EPO; JPO; DERWENT	OR	OFF	2010/03/12 11:21
S8	62	S7 AND (quartz and heat\$4 and (rotat\$4 rotary))	EPO; JPO; DERWENT	OR	OFF	2010/03/12 11:22
S9	33	S8 and @ad< "20020924"	EPO; JPO; DERWENT	OR	OFF	2010/03/12 11:24
S10	2	("5156820" "5108792").pn.	US-PGPUB; USPAT	OR	OFF	2010/03/12 11:35
S11	3098	118/725.ccls. 156/345.51,345.52.ccls.	US-PGPUB; USPAT	OR	OFF	2010/03/12 11:39
S12	6517	118/715,725.ccls. 156/345.51,345.52.ccls.	US-PGPUB; USPAT	OR	OFF	2010/03/12 11:40
S13	1141	S12 and (((rotary rotat\$4) near4 (shaft support susceptor holder chuck))	US-PGPUB; USPAT	OR	OFF	2010/03/12 11:41
S14	167	S12 and (((rotary rotat\$4) near4 (shaft support susceptor holder chuck)) with (arm\$2 leg\$2 spoke \$2))	US-PGPUB; USPAT	OR	OFF	2010/03/12 11:42
S15	116	S14 and @ad< "20030922"	US-PGPUB; USPAT	OR	OFF	2010/03/12 11:42
S16	90501	118/724.ccls. "219"/\$.ccls.	US-PGPUB; USPAT	OR	OFF	2010/03/12 15:50
S17	6788	S16 and (((rotary rotat\$4) near4 (shaft support susceptor holder chuck))	US-PGPUB; USPAT	OR	OFF	2010/03/12 15:50
S18	6859	S16 and (((rotary rotat\$4) near4 (shaft support susceptor holder chuck))	US-PGPUB; USPAT	OR	OFF	2010/03/12 15:50
S19	811	S16 and (((rotary rotat\$4) near4 (shaft support susceptor holder chuck)) and quartz)	US-PGPUB; USPAT	OR	OFF	2010/03/12 15:51
S20	226	S16 and (((rotary rotat\$4) near4 (shaft support susceptor holder chuck)) and ((substrate wafer workpiece article object) near9 (above below)) near9 (plate susceptor))	US-PGPUB; USPAT	OR	OFF	2010/03/12 15:54
S21	159	S20 and @ad< "20030922"	US-PGPUB; USPAT	OR	OFF	2010/03/12 15:54
S22	142	S21 not S15	US-PGPUB; USPAT	OR	OFF	2010/03/12 15:54

S23	4063	156/345.51-345.55.cds. 315/111.\$2.cds.	US-PGPUB; USPAT	OR	OFF	2010/03/12 16:36
S24	2671	S23 and @ad<"20030922"	US-PGPUB; USPAT	OR	OFF	2010/03/12 16:36
S25	47	S24 and (((rotary rotat\$4) near4 (shaft support susceptor holder chuck)) and ((substrate wafer workpiece article object) near9 (above below)) near9 (plate susceptor))	US-PGPUB; USPAT	OR	OFF	2010/03/12 16:36
S26	543	S12 and (((rotary rotat\$4) near4 (shaft support susceptor holder chuck)) and (arm\$2 leg\$2 spoke \$2))	US-PGPUB; USPAT	OR	OFF	2010/03/12 16:41
S27	383	S26 and @ad<"20030922"	US-PGPUB; USPAT	OR	OFF	2010/03/12 16:42
S28	267	S27 not S14	US-PGPUB; USPAT	OR	OFF	2010/03/12 16:42
S29	229	S28 not S22	US-PGPUB; USPAT	OR	OFF	2010/03/12 16:42
S30	8	(chamber housing vessel) and quartz and (((rotary rotat\$4) near4 (shaft support susceptor holder chuck)) and (arm\$2 leg\$2 spoke\$2))	EPO; JPO; DERWENT	OR	OFF	2010/03/12 17:19
S31	5877	(chamber housing vessel) and (((rotary rotat\$4) near4 (shaft support susceptor holder chuck)) and (arm\$2 leg\$2 spoke\$2))	EPO; JPO; DERWENT	OR	OFF	2010/03/12 17:22
S32	16	(chamber housing vessel) and susceptor and (((rotary rotat\$4) near4 (shaft support susceptor holder chuck)) and (arm\$2 leg\$2 spoke\$2))	EPO; JPO; DERWENT	OR	OFF	2010/03/12 17:23
S33	2	("5903711" "5904872").pn.	US-PGPUB; USPAT	OR	OFF	2010/03/12 17:31
S34	1313995	C23C 16/00.IPC. C23F 1/00. IPC. H01L 21/306.IPC.	EPO; JPO; DERWENT	OR	OFF	2010/03/12 17:33
S35	187	S34 AND (chamber housing vessel) and (((rotary rotat \$4) near4 (shaft support susceptor holder chuck)) and (arm\$2 leg\$2 spoke \$2))	EPO; JPO; DERWENT	OR	OFF	2010/03/12 17:34
S36	1	"03077315"	JPO	OR	OFF	2010/03/12 18:29

S37	324	"117"/\$.ccls. and ((susceptor (heat\$4 adj plate)) same ((rotary rotat \$5) near4 (shaft spindle susceptor holder support)))	US-PGPUB; USPAT	OR	OFF	2010/03/12 18:36
S38	252	S37 and @ad< "20030922"	US-PGPUB; USPAT	OR	OFF	2010/03/12 18:43
S39	5861	118/715,725.ccls. 156/345.51,345.52.ccls. and ((susceptor (heat\$4 adj plate)) same ((rotary rotat \$5) near4 (shaft spindle susceptor holder support)))	US-PGPUB; USPAT	OR	OFF	2010/03/12 18:43
S40	429	((118/715,725.ccls. 156/345.51,345.52.ccls.) and ((susceptor (heat\$4 adj plate)) same ((rotary rotat \$5) near4 (shaft spindle susceptor holder support))))	US-PGPUB; USPAT	OR	OFF	2010/03/12 18:44
S41	312	S40 and @ad< "20030922"	US-PGPUB; USPAT	OR	OFF	2010/03/12 18:44
S42	534	S38 or S41	US-PGPUB; USPAT	OR	OFF	2010/03/12 18:44
S43	324	"117"/\$.ccls. and ((susceptor (heat\$4 adj plate)) same ((rotary rotat \$5) near4 (shaft spindle susceptor holder support)))	US-PGPUB; USPAT	OR	OFF	2010/03/12 20:43
S44	252	S43 and @ad< "20030922"	US-PGPUB; USPAT	OR	OFF	2010/03/12 20:43
S45	429	((118/715,725.ccls. 156/345.51,345.52.ccls.) and ((susceptor (heat\$4 adj plate)) same ((rotary rotat \$5) near4 (shaft spindle susceptor holder support))))	US-PGPUB; USPAT	OR	OFF	2010/03/12 20:43
S46	312	S45 and @ad< "20030922"	US-PGPUB; USPAT	OR	OFF	2010/03/12 20:43
S47	534	S44 or S46	US-PGPUB; USPAT	OR	OFF	2010/03/12 20:43
S48	405	S47 and quartz	US-PGPUB; USPAT	OR	OFF	2010/03/12 20:43
S49	1	"6902623".pn.	US-PGPUB; USPAT	OR	OFF	2010/03/12 23:42
S50	5838	118/715,725.ccls. 156/345.51,345.52.ccls. and ((susceptor (heat\$4 adj plate)) and ((rotary rotat\$5) near4 (shaft spindle susceptor holder support)) and (quartz with (case box hood)))	US-PGPUB; USPAT	OR	OFF	2010/03/12 23:51

S51	5837	118/715,725.ccls. 156/345.51,345.52.ccls. and ((susceptor (heat\$4 adj plate)) and ((rotary rotat\$5) near4 (shaft spindle susceptor holder support)) and (quartz near6 (case box hood)))	US-PGPUB; USPAT	OR	OFF	2010/03/12 23:51
S52	18	(118/715,725.ccls. 156/345.51,345.52.ccls.) and ((susceptor (heat\$4 adj plate)) and ((rotary rotat\$5) near4 (shaft spindle susceptor holder support)) and (quartz near6 (case box hood)))	US-PGPUB; USPAT	OR	OFF	2010/03/12 23:51
S53	9	S52 and @ad< "20030922"	US-PGPUB; USPAT	OR	OFF	2010/03/12 23:52
S54	22	(118/716-733.ccls. 156/345. \$2.ccls.315/111.) and ((susceptor (heat\$4 adj plate)) and ((rotary rotat\$5) near4 (shaft spindle susceptor holder support)) and (quartz near6 (case box hood)))	US-PGPUB; USPAT	OR	OFF	2010/03/12 23:54
S55	22	(118/716-733.ccls. 156/345. \$2.ccls. 315/111.\$2.ccls.) and (susceptor (heat\$4 adj plate)) and ((rotary rotat\$5) near4 (shaft spindle susceptor holder support)) and (quartz near6 (case box hood))	US-PGPUB; USPAT	OR	OFF	2010/03/12 23:55
S56	8	S55 not S52	US-PGPUB; USPAT	OR	OFF	2010/03/12 23:56
S57	16	(semiconductor\$2 and (wafer\$2 substrate\$2 article \$2 workpiece\$2 object\$2) and quartz and (susceptor heater heating) and (rotary rotat\$7) and (arm\$2 leg\$2 spoke\$2)).cml.	US-PGPUB; USPAT	OR	OFF	2010/03/17 16:29

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